

File 347:JAPIO Dec 1976-2009/Jan(Updated 090503)

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File 350:Derwent WPIX 1963-2009/UD=200927

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Set Items Description

S1 209837 (RIJNDAEL OR AES OR ADVANCED()ENCRYPTION()STANDARD OR (BLO-

CK()(CIPHER OR CIPHERS OR CYPHER OR CYPHERS)) OR SQUARE OR ((-

FIPS OR FEDERAL()INFORMATION()PROCESSING()STANDARD?

?)(197)-

))

S2 11 (ADD()ROUND()(KEY OR KEYS)OR ADDROUNDKEY? ?)

S3 7247226 (CONCURRENT?? OR SIMULTANEOUS??? OR PARALLEL OR TOGETHER OR

SYNCHRONI? OR ACCOMPANY OR CONCOMIT? OR JOINTLY OR SYNC OR S-

YNCH OR UNISON OR TANDEM OR SAME (2W) (TIME OR INSTANT OR INS-

TANCE OR INTERVAL OR PERIOD) OR WHILE OR DURING)

S4 142 ((SHIFT()(ROW OR ROWS)) OR SHIFTRW? ?)

S5 2846 (SUBBYTE OR SUBBYTES OR SUBBIT OR SUBITS OR SBOX OR SBOXES

OR ((SUB OR SUBSTITUT????)(BYTE OR BYTES OR BIT OR BITS)) OR (S)(BOX OR BOXES)))

S6 61 (MIX()COLUMN? ? OR MIXCOLUMN? ?)

S7 5 S2 AND S3

S8 5 S7 AND (S1 OR S4 OR S5 OR S6)

S9 0 (S8 AND PY=1963:2003) OR (S8 AND AC=US AND AY=1963:2003)

S10 6453186 (DATA OR INFORMATION OR SEQUENCE? ? OR STRING OR CHARACTER?

? OR DATABIT? ? OR BITVALUE? ? OR SIGNAL? ? OR BIT OR BITS OR BYTE OR BYTES)

S11 4022386 (NUMBER? ? OR NUMERAL? ? OR DIGIT OR DIGITS OR NUMERIC?? OR

INTEGER OR INTEGERS OR VALUE OR VALUES)

S12 13012380 (BLOCK OR BLOCKS OR SEGMENT? ? OR PORTION? ? OR COMPONENT?

? OR SECTION? ? OR PART OR PARTS OR AREA OR AREAS OR SEGMENT?

? OR PARTITION? ? OR SUBSET? ? OR SUBKEY? ? OR KEY OR KEYS)

S13 623074 (S10 OR S11) (5N) (ADD OR ADDED OR ADDING OR ADDS OR COMBI-

N???? OR CONCATENAT??? OR ADDITION? ? OR GRAFT??? OR INCORPO-

RAT??? OR INTEGRAT??? OR APPEND??? OR INSERT OR INSERTS OR  
 IN-  
 SERTING OR INSERTED OR INSERTION)  
 S14 453411 ((S12 OR ROW OR ROWS) (5N) (SHIFT??? OR MOVE OR MOVING  
 OR -  
 MOVED OR MOVES OR REPOSITION??? OR RELOCAT??? OR  
 DISPLAC?????  
 OR SHUFFL???)  
 S15 412210 (S10 OR S11) (5N) (SUBSTITUT???? OR REPLAC??? OR  
 REPLACEME-  
 NT? ? OR EXCHANG??? OR SWAP OR SWAPPING OR SWAPS OR  
 SWAPPED OR  
 SUPPLANT??? OR DISPLAC??? OR DISPLACEMENT? ? OR  
 INTERCHANG???  
 OR SUB OR SUBBING OR SUBS OR SUBBED)  
 S16 217349 (S12 OR COLUMN? ?) (5N) (MIX OR MIXES OR MIXING OR  
 MIXED OR  
 DIFFUS???? OR COALESC??? OR COMMINGL??? OR MERGE OR  
 MERGED -  
 OR MERGING OR MERGES OR BLEND OR BLENDING OR BLENDS OR  
 BLENDED  
 OR AMALGAMAT???)  
 S17 222916 S13 AND S3  
 S18 5576 S17 AND S14  
 S19 139 S18 AND S1  
 S20 34 S19 AND (S15 OR S16)  
 S21 27 (S20 AND PY=1963:2003) OR (S20 AND AC=US AND AY=1963:2003)  
 S22 23221 S17 AND (S15 OR S16)  
 S23 455 S22 AND S1  
 S24 21583 S17 AND S15  
 S25 416 S24 AND S1  
 S26 1885 S16 AND S17  
 S27 51 S26 AND S1  
 S28 47 S27 NOT S21  
 S29 26 (S28 AND PY=1963:2003) OR (S28 AND AC=US AND AY=1963:2003)  
 S30 25158 AU=(LEE, Y? OR LEE Y?)  
 S31 15535 AU=(PARK, Y? OR PARK Y?)  
 S32 49081 AU=(KIM, Y? ? OR KIM Y?)  
 S33 61177 AU=(LEE, S? OR LEE S?)  
 S34 1870 AU=(JUN, S? OR JUN S?)  
 S35 8 S30 AND S31 AND S32 AND S33 AND S34

File 349:PCT FULLTEXT 1979-2009/UB=20090423IUT=20090416

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File 348:EUROPEAN PATENTS 1978-200918

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**Set Items Description**

S1 309913 (RIJNDAEL OR AES OR ADVANCED()ENCRYPTION()STANDARD OR (BLO-

CK()(CIPHER OR CIPHERS OR CYPHER OR CYPHERS)) OR SQUARE OR ((-

FIPS OR FEDERAL()INFORMATION()PROCESSING()STANDARD?

?)(197)-

))

S2 48 (ADD()ROUND()(KEY OR KEYS)OR ADDROUNDKEY? ?)

S3 2369257 (CONCURRENT?? OR SIMULTANEOUS??? OR PARALLEL OR TOGETHER OR

SYNCHRONI? OR ACCOMPANY OR CONCOMIT? OR JOINTLY OR SYNC OR S-

YNCH OR UNISON OR TANDEM OR SAME (2W) (TIME OR INSTANT OR INS-

TANCE OR INTERVAL OR PERIOD) OR WHILE OR DURING)

S4 128 ((SHIFT()(ROW OR ROWS)) OR SHIFTRW? ?)

S5 1985 (SUBBYTE OR SUBBYTES OR SUBBIT OR SUBITS OR SBOX OR SBOXES

OR ((SUB OR SUBSTITUT????)(BYTE OR BYTES OR BIT OR BITS)) OR (S()(BOX OR BOXES)))

S6 120 (MIX()COLUMN? ? OR MIXCOLUMN? ?)

S7 41 S2 AND S3

S8 41 S7 AND (S4 OR S5 OR S6)

S9 9 (S8 AND PY=1978:2003) OR (S8 AND (AC=US OR AC=US/PR) AND A-Y=1978:2003)

File 349:PCT FULLTEXT 1979-2009/UB=20090423IUT=20090416

(c) 2009 WIPO/THOMSON

File 348:EUROPEAN PATENTS 1978-200918

(c) 2009 European Patent Office

**Set Items Description**

- S1 309911 (RIJNDAEL OR AES OR ADVANCED()ENCRYPTION()STANDARD OR (BLO-  
CK()(CIPHER OR CIPHERS OR CYPHER OR CYPHERS)) OR SQUARE)
- S2 63003 S1 (40N) (DATA OR INFORMATION OR SEQUENCE? ? OR STRING OR -  
CHARACTER? ? OR DATA BIT? ? OR BITVALUE? ? OR SIGNAL? ? OR BIT  
OR BITS OR BYTE OR BYTES)
- S3 72207 S1 (40N) (NUMBER? ? OR NUMERAL? ? OR DIGIT OR DIGITS OR N-  
UMERIC?? OR INTEGER OR INTEGERS OR VALUE OR VALUES)
- S4 24228 S2 (30N) (BLOCK OR BLOCKS OR SEGMENT? ? OR PORTION? ? OR C-  
OMPONENT? ? OR SECTION? ? OR PART OR PARTS OR AREA OR AREAS OR  
SEGMENT? ? OR PARTITION? ? OR SUBSET? ? OR SUBKEY? ? OR KEY -  
OR KEYS)
- S5 11643 (S2 OR S3) (5N) (ADD OR ADDED OR ADDING OR ADDS OR COMBIN?-  
???? OR CONCATENAT??? OR ADDITION? ? OR GRAFT??? OR INCORPORA-  
T??? OR INTEGRAT??? OR APPEND??? OR INSERT OR INSERTS OR INSE-  
RTING OR INSERTED OR INSERTION)
- S6 1175 S5 (25N) (CONCURRENT?? OR SIMULTANEOUS??? OR PARALLEL OR T-  
OGETHER OR SYNCHRONI? OR ACCOMPANY OR CONCOMIT? OR JOINTLY OR  
SYNC OR SYNCH OR UNISON OR TANDEM OR SAME (2W) (TIME OR INSTA-  
NT OR INSTANCE OR INTERVAL OR PERIOD))
- S7 11216 ((S4 OR ROW OR ROWS) (5N) (SHIFT??? OR MOVE OR MOVING OR M-  
OVED OR MOVES OR REPOSITION??? OR RELOCAT??? OR DISPLAC????? -  
OR SHUFFL???)
- S8 5506 (S2 OR S3) (5N) (SUBSTITUT???? OR REPLAC??? OR REPLACEMENT?  
? OR EXCHANG??? OR SWAP OR SWAPPING OR SWAPS OR SWAPPED OR S-

UPPLANT??? OR DISPLAC??? OR DISPLACEMENT? ? OR  
INTERCHANG??? -

OR SUB OR SUBBING OR SUBS OR SUBBED)

S9 8464 (S4 OR COLUMN? ?) (5N) (MIX OR MIXES OR MIXING OR MIXED  
OR

DIFFUS???? OR COALESC??? OR COMMINGL??? OR MERGE OR  
MERGED OR

MERGING OR MERGES OR BLEND OR BLENDING OR BLENDS OR  
BLENDED -

OR AMALGAMAT???)

S10 197 S5 (30N) S7

S11 186 S5 (20N) S7

S12 144 (S11 AND PY=1978:2003) OR (S11 AND (AC=US OR AC=US/PR) AND  
AY=1978:2003)

S13 20 S12 (30N) S8

S14 20 S12 (60N) S8

S15 664 S8 (20N) S5

S16 644 S15 NOT S14

S17 14 S16 (20N) S9

S18 5 (S17 AND PY=1978:2003) OR (S17 AND (AC=US OR AC=US/PR) AND  
AY=1978:2003)

S19 3943 AU=(LEE, Y? OR LEE Y?)

S20 2097 AU=(PARK, Y? OR PARK Y?)

S21 6516 AU=(KIM, Y? ? OR KIM Y?)

S22 8731 AU=(LEE, S? OR LEE S?)

S23 157 AU=(JUN, S? OR JUN S?)

S24 2 S19 AND S20 AND S21 AND S22 AND S23

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File 62:SPIN(R) 1975-2009/Mar W5  
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**Set Items Description**

S1 780677 (RIJNDAEL OR AES OR ADVANCED()ENCRYPTION()STANDARD OR (BLO-  
CK()(CIPHER OR CIPHERS OR CYPHER OR CYPHERS)) OR SQUARE)

S2 17 (ADD()ROUND()(KEY OR KEYS)OR ADDROUNDKEY? ?)

S3 5208506 (CONCURRENT?? OR SIMULTANEOUS??? OR PARALLEL OR TOGETHER OR  
SYNCHRONI? OR ACCOMPANY OR CONCOMIT? OR JOINTLY OR SYNC OR S-  
YNCH OR UNISON OR TANDEM OR SAME (2W) (TIME OR INSTANT OR INS-  
TANCE OR INTERVAL OR PERIOD))

S4 52 ((SHIFT()(ROW OR ROWS)) OR SHIFTR? ?)

S5 3203 (SUBBYTE OR SUBBYTES OR SUBBIT OR SUBITS OR SBOX OR SBOXES  
OR ((SUB OR SUBSTITUT????)()(BYTE OR BYTES OR BIT OR BITS)) OR (S()(BOX OR BOXES)))

S6 163 (MIX()COLUMN? ? OR MIXCOLUMN? ?)

S7 1 S2 AND S3

S8 71921 S3 AND S1

S9 126 S8 AND (S4 OR S5 OR S6)

S10 26 S9 NOT PY>2003

S11 16 RD (unique items)

S12 17897863 (DATA OR INFORMATION OR SEQUENCE? ? OR STRING OR CHARACTER?  
? OR DATABIT? ? OR BITVALUE? ? OR SIGNAL? ? OR BIT OR BITS OR BYTE OR BYTES)

S13 12990472 (NUMBER? ? OR NUMERAL? ? OR DIGIT OR DIGITS OR NUMERIC?? OR  
INTEGER OR INTEGERS OR VALUE OR VALUES)

S14 15145801 (BLOCK OR BLOCKS OR SEGMENT? ? OR PORTION? ? OR COMPONENT?  
? OR SECTION? ? OR PART OR PARTS OR AREA OR AREAS OR SEGMENT?  
? OR PARTITION? ? OR SUBSET? ? OR SUBKEY? ? OR KEY OR KEYS)

S15 1156543 (S12 OR S13) (5N) (ADD OR ADDED OR ADDING OR ADDS OR COMBI-  
N???? OR CONCATENAT??? OR ADDITION? ? OR GRAFT??? OR INCORPO-  
RAT??? OR INTEGRAT??? OR APPEND??? OR INSERT OR INSERTS OR IN-  
SERTING OR INSERTED OR INSERTION)

S16 157425 ((S14 OR ROW OR ROWS) (5N) (SHIFT??? OR MOVE OR MOVING OR -  
MOVED OR MOVES OR REPOSITION??? OR RELOCAT??? OR DISPLAC????)

OR SHUFFL???)  
 S17 683867 (S12 OR S13) (5N) (SUBSTITUT???? OR REPLAC??? OR  
 REPLACEME-  
 NT? ? OR EXCHANG??? OR SWAP OR SWAPPING OR SWAPS OR  
 SWAPPED OR  
 SUPPLANT??? OR DISPLAC??? OR DISPLACEMENT? ? OR  
 INTERCHANG???  
 OR SUB OR SUBBING OR SUBS OR SUBBED)  
 S18 172038 (S14 OR COLUMN? ?) (5N) (MIX OR MIXES OR MIXING OR  
 MIXED OR  
 DIFFUS???? OR COALESC??? OR COMMINGL??? OR MERGE OR  
 MERGED -  
 OR MERGING OR MERGES OR BLEND OR BLENDING OR BLENDS OR  
 BLENDED  
 OR AMALGAMAT???)  
 S19 140971 S15 AND S3  
 S20 653 S19 AND S16  
 S21 21 S20 AND S1  
 S22 20 S21 NOT S11  
 S23 19 S22 NOT PY>2003  
 S24 14 RD (unique items)  
 S25 5503 S19 AND S17  
 S26 73 S25 AND S1  
 S27 71 S26 NOT (S11 OR S24)  
 S28 40 S27 NOT PY>2003  
 S29 39 RD (unique items)  
 S30 566 S19 AND S18  
 S31 19 S30 AND S1  
 S32 18 S31 NOT (S27 OR S11 OR S24)  
 S33 8 S32 NOT PY>2003  
 S34 5 RD (unique items)  
 S35 76565 AU=(LEE, Y? OR LEE Y?)  
 S36 34707 AU=(PARK, Y? OR PARK Y?)  
 S37 61644 AU=(KIM, Y? ? OR KIM Y?)  
 S38 170092 AU=(LEE, S? OR LEE S?)  
 S39 4703 AU=(JUN, S? OR JUN S?)  
 S40 2 S35 AND S36 AND S37 AND S38 AND S39  
 S41 2 RD (unique items)



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File 636:Gale Group Newsletter DB(TM) 1987-2009/Apr 15  
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File 9:Business & Industry(R) Jul/1994-2009/May 05  
(c) 2009 Gale/Cengage

File 696:DIALOG Telecom. Newsletters 1995-2009/May 05  
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**Set Items Description**

S1 2390108 (RIJNDAEL OR AES OR ADVANCED()ENCRYPTION()STANDARD OR (BLO-

CK()(CIPHER OR CIPHERS OR CYPHER OR CYPHERS)) OR SQUARE)

S2 6 (ADD()ROUND()(KEY OR KEYS)OR ADDROUNDKEY? ?)

S3 10889282 (CONCURRENT?? OR SIMULTANEOUS??? OR PARALLEL OR TOGETHER OR

SYNCHRONI? OR ACCOMPANY OR CONCOMIT? OR JOINTLY OR SYNC OR S-

YNCH OR UNISON OR TANDEM OR SAME (2W) (TIME OR INSTANT OR INS- TANCE OR INTERVAL OR PERIOD))

S4 25 ((SHIFT()(ROW OR ROWS)) OR SHIFTRW? ?)

S5 27532 (SUBBYTE OR SUBBYTES OR SUBBIT OR SUBITS OR SBOX OR SBOXES

OR ((SUB OR SUBSTITUT???)()(BYTE OR BYTES OR BIT OR BITS)) OR (S()(BOX OR BOXES)))

S6 75 (MIX()COLUMN? ? OR MIXCOLUMN? ?)

S7 0 S2 (50N) S3

S8 342809 S1 (50N) (DATA OR INFORMATION OR SEQUENCE? ? OR STRING OR -

CHARACTER? ? OR DATABIT? ? OR BITVALUE? ? OR SIGNAL? ? OR BIT

OR BITS OR BYTE OR BYTES)

S9 256218 S1 (50N) (NUMBER? ? OR NUMERAL? ? OR DIGIT OR DIGITS OR NU-

MERIC?? OR INTEGER OR INTEGERS OR VALUE OR VALUES)

S10 547710 S1 (25N) (BLOCK OR BLOCKS OR SEGMENT? ? OR PORTION? ? OR C-

OMPONENT? ? OR SECTION? ? OR PART OR PARTS OR AREA OR AREAS OR

SEGMENT? ? OR PARTITION? ? OR SUBSET? ? OR SUBKEY? ? OR KEY - OR KEYS)

S11 67968 (S8 OR S9) (5N) (ADD OR ADDED OR ADDING OR ADDS OR COMBIN?-

???? OR CONCATENAT??? OR ADDITION? ? OR GRAFT??? OR INCORPORA-

T??? OR INTEGRAT??? OR APPEND??? OR INSERT OR INSERTS OR INSE-

RTING OR INSERTED OR INSERTION)

S12 2447 S11 (20N) S3

S13 21470 ((S10 OR ROW OR ROWS) (5N) (SHIFT??? OR MOVE OR MOVING OR -

MOVED OR MOVES OR REPOSITION??? OR RELOCAT??? OR DISPLAC?????)

OR SHUFFL???)  
S14 21787 (S8 OR S9) (5N) (SUBSTITUT???? OR REPLAC??? OR  
REPLACEMENT?  
? OR EXCHANG??? OR SWAP OR SWAPPING OR SWAPS OR SWAPPED  
OR S-  
UPPLANT??? OR DISPLAC??? OR DISPLACEMENT? ? OR  
INTERCHANG??? -  
OR SUB OR SUBBING OR SUBS OR SUBBED)  
S15 8 S12 (20N) S13  
S16 8 S12 (40N) S13  
S17 3570 S14 (20N) S11